

### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### **Complete Listing of Claims:**

1. (Currently Amended) A system for delivery of a drug to a patient comprising: a drug delivery device arranged to deliver a dose of the drug to the patient over a plurality of breaths, the device including a breath analyser which ~~analyses a patient's breathing and generates breath information on the patient's breathing during drug delivery~~

(i) analyses a patient's breathing during drug delivery, wherein the analysis by the breath analyser includes quantitatively measuring at least one parameter of the patient's breathing; and

(ii) generates breath information on a patient's breathing during drug delivery wherein the breath information includes the at least one quantitative measurement of the patient's breathing;

a data carrier onto which the drug delivery device is arranged to place the breath information;

a data analyser arranged to analyse the breath information from the data carrier, and to derive characteristics of the patient's breathing; and a trend generator of analyzing the breath information and the characteristics of the patient's breathing over a number of drug deliveries.

2. (Cancelled)

3. (Original) A system according to claim 1, wherein the data analyser includes means for identifying non-compliant use of the drug delivery device.

4. (Cancelled)

5. (Currently Amended) A method of optimizing treatment from a drug delivery device which is arranged to deliver a dose of the drug to the patient over a plurality of breaths comprising:

~~analysing a patient's breathing during drug delivery and generating breath information from that breathing~~ analysing a patient's breathing during drug delivery, including quantitatively measuring at least one parameter of that breathing; generating breath information from the patient's breathing during drug delivery, including the quantitative measurements of that breathing;

transferring the breath information to a data analyser;

deriving characteristics of the patient's breathing from the breath information; and

identifying non-complaint use of the drug delivery device; and analyzing the breath information and the characteristics of the patient's breathing over a number of drug deliveries.

6. (Currently Amended) A method of identifying changes in condition of a patient over time of treatments from a drug delivery device comprising:

~~analysing a patient's breathing during drug delivery and generating breath information from that breathing;~~

analysing a patient's breathing during drug delivery, including quantitatively measuring at least one parameter of that breathing; generating breath information from the patient's breathing during drug delivery, including the quantitative measurement of that breathing;

transferring the breath information to a data analyser;

deriving characteristics of the patient's breathing from the breath information; and

analysing the characteristics of the patient's treatments over time to identify trends in those characteristics.